

Substitute for Form 1449/PTO

ATTY DOCKET NO.

8676-041

APPLICATION NO.

10/629,812

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use several sheets if necessary)

APPLICANT:

Stephen A. Tarin

FILING DATE:

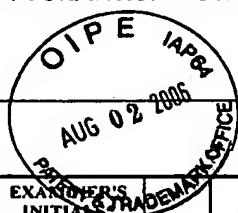
July 28, 2003

ART UNIT:

2162

CONF. NO.:

9035



U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS*	DOCUMENT NUMBER	DATE MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SA	A01	US 6,484,179	11/19/2002	Roccaforte
SA	A02	US 6,272,487	8/7/2001	Beavin, et al.
SA	A03	US 5,794,228	8/11/1998	French, et al.
SA	A04	US 5,701,453	12/23/1997	Maloney, et al.
SA	A05	US 5,819,086	10/6/1998	Kroenke
SA	A06	US 6,006,219	12/21/1999	Rothschild

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS*	Country Code, Number, Kind of Code (if known)	DATE MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION
					YES NO
	B01				
	B02				

NON PATENT LITERATURE DOCUMENTS (include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume, publisher, city and/or country where published., etc.)

EXAMINER'S INITIALS*		
SA	C01	Abdelguerfi, M et al., "Computer Complexity of Sorting and Joining Relations with Duplicates", IEEE Transaction on Knowledge And Data Engineering, Volume 3, No. 4, December 1991, Pages 496-503
	C02	Fiat et al., 1991, "An Implicit Data Structure for Searching a Multikey Table in Logarithmic Time," Journal of Computer and System Sciences vol. 43, 406-424
	C03	Fiat et al., 1988, "Storing and Searching a Multikey Table," ACM, pp. 344-353
	C04	Knuth, D. E., 1998, "The Art of Computer Programming," 2d Ed., vol. 3, 5, 584, Addison-Wesley Publishing Company
	C05	Lehman et al., August, 1986, "A Study of Index Structures for Main Memory Database Management Systems," Proc. 12 th Int'l Conf., Very Large Data Bases, Kyoto, Japan, pp. 294-303
	C06	Lehman et al., 1986, "Query Processing in Main Memory Database Management Systems," ACM, pp. 239-250
	C07	Munro, 1987, "Searching a Two Key Table Under a Single Key," ACM pp. 383-387
	C08	Nevergelt et al., 1984, "The Grid File: An Adaptable, Symmetric Multikey File Structure," ACM, pp. 108-124
	C09	Yao, July 1981, "Should Tables Be Sorted?," Journal of the Assoc. of Computing Machinery, vol. 28, no. 3, pp. 615-628
	C10	Babb, "Implementing a Relational Database by Means of Specialized Hardware," ACM Transactions on Database Systems, vol. 4, no.1, March 1979, pp. 1-29
SA	C11	Goldstein et al., "The MacAIMS Data Management System," Record of the 1970 ACM SICFIDET Workshop on Data Description and Access, Nov. 15-16, 1970, pp. 201-229

EXAMINER
NYJD-1632055v1

/Shahid Alam/

DATE CONSIDERED

10/13/2006

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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY DOCKET NO. 8676-041	APPLICATION NO. 10/629,812
	APPLICANT: Stephen A. Tarin	
	FILING DATE: July 28, 2003	ART UNIT: 2162 CONF. NO.: 9035

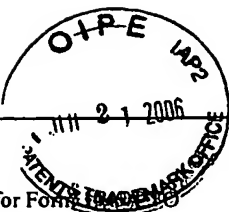
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EXAMINER'S INITIALS*		
SA	C12	Goldstein <i>et al</i> , "Database Management with Sequence Trees and Tokens," IEEE Transactions on Knowledge and Data Engineering, vol. 9, no. 1, Jan-Feb 1997, pp. 186-192
SA	C13	Sharman, "Update-By-Dialogue: An Interactive Approach to Database Modification," ACM SIGMOD International Conference on Management of Data, Toronto, Canada, Aug. 3-5, 1977
SA	C14	Strnad, "The Relational Approach to the Management of Data Bases," Information Processing 71, Proc. Of IFIP Congress 71, vol. 2, Ljubljana, Yugoslavia, Aug. 23-28, 1971, published 1972, pp. 901-904
SA	C15	Titman, "An Experimental Data Base System Using Binary Relations," Database Management, North-Holland Publishing Company, 1974, pp. 351-360
SA	C16	Chinese Patent Application No. 99810695.X First Office Action dated July 12, 2002
SA	C17	Chinese Patent Application No. 99810695.X Second Office Action dated August 5, 2005
SA	C18	PCT/US99/15431 International Search Report dated October 22, 1999
SA	C19	PCT/US99/15431 International Preliminary Examination Report dated March 29, 2000
SA	C20	PCT/US01/47678 International Search Report dated March 29, 2002
SA	C21	PCT/US01/47678 International Preliminary Examination Report dated August 9, 2002

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Substitute for Form 134 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY DOCKET NO. 8676-041	APPLICATION NO. 10/629,812
APPLICANT: Stephen A. Tarin		
FILING DATE: July 28, 2003		ART UNIT: CONF. NO.: 2162 9035

U.S. PATENT DOCUMENTS

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SA	A01	US 5,388,259	02/07/1995	Fleischman, et al.	
	A02	US 5,504,885	04/02/1996	Alashgur	
	A03	US 5,734,887	03/31/1998	Kingberg, et al.	
	A04	US 5,761,652	06/02/1998	Wu, et al.	
	A05	US 5,787,279	07/28/1998	Rigoutsos	
	A06	US 5,797,000	08/18/1998	Bhattacharya, et al.	
	A07	US 5,799,312	08/25/1998	Rigoutsos	
	A08	US 5,802,525	09/01/1998	Rigoutsos	
	A09	US 5,946,692	08/31/1999	Faloutsos, et al.	
	A10	US 5,956,706	09/21/1999	Carey, et al.	
	A11	US 5,963,936	10/05/1999	Cochrane, et al.	
	A12	US 5,999,933	12/07/1999	Mehta	
	A13	US 6,088,691	07/11/2000	Bhargava, et al.	
	A14	US 6,138,111	10/24/2000	Krishna	
	A15	US 6,199,099	03/06/2001	Gershman, et al.	
	A16	US 6,330,554	12/11/2001	Altschuler, et al.	
SA	A17	US 6,374,263	04/16/2002	Bunger, et al.	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS*		Country Code, Number, Kind of Code (if known)	DATE MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
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	B02						

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EXAMINER'S INITIALS*		
	C01	
	C02	

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY DOCKET NO. 8676-041	APPLICATION NO TBA
	APPLICANT Stephen A. Tarin	
	FILING DATE herewith	GROUP 2172

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SA	A01	6,018,734	01/25/00	Zhang <i>et al.</i>			
	A02	6,006,219	12/21/1999	Rothschild			
	A03	5,983,232	11/09/99	Zhang			
	A04	5,966,709	10/12/99	Zhang <i>et al.</i>			
	A05	5,918,225	06/29/1999	White <i>et al.</i>			
	A06	5,838,965	11/1998	Kavanagh <i>et al.</i>			
	A07	5,797,136	08/1998	Boyer <i>et al.</i>			
	A08	5,794,229	08/11/1998	French <i>et al.</i>			
	A09	5,713,014	01/27/98	Durflinger <i>et al.</i>			
	A10	5,701,461	12/1997	Dalal <i>et al.</i>			
	A11	5,692,178	11/1997	Shaughnessy			
	A12	5,675,779	10/07/1997	Doktor			
	A13	5,649,181	07/15/97	French <i>et al.</i>			
	A14	5,611,076	03/11/97	Durflinger <i>et al.</i>			
	A15	5,592,667	01/07/97	Bugajski			
	A16	5,560,006	09/24/96	Layden <i>et al.</i>			
	A17	5,555,388	09/1996	Shaughnessy			
	A18	5,546,575	08/13/1996	Potter <i>et al.</i>			
	A19	5,495,608	02/27/96	Antoshenkov			
	A20	5,414,834	05/09/95	Alexander <i>et al.</i>			
	A21	5,412,797	05/02/95	Rubin			
	A22	5,276,868	01/04/94	Poole			
	A23	5,201,046	04/06/93	Goldberg <i>et al.</i>			
	A24	5,010,478	04/23/91	Deran			
	A25	4,858,146	08/1989	Shebini			
	A26	4,479,196	10/23/84	Ferrer <i>et al.</i>			
SA	A27	4,468,732	08/28/84	Raver			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B01							
	B02							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

SA	C01	"ERDB Entity-Relation Database," ERDB Website and ERDB Manual, www.ataindy.com, copyright 1998, Automated Technology
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		Associates
SA	C02	"Monet Source Code," dated Jan. 8, 1996, as appears on www.cwi.nl/~monet/srcdoc.html as of Feb. 5, 1999
	C03	"Monet Performance," www.cwi.nl/~monet/performance.html , last modified Sept. 20, 1995
	C04	Boncz <i>et al.</i> , "The Drill Down Benchmark," www.cwi.nl/~monet/papers.html , appears in Proceedings of the 24 th VLDB Conference New York, USA, 1998
	C05	Boncz <i>et al.</i> , "Flattening an Object Algebra to Provide Performance," www.cwi.nl/~monet/papers.html , appears in 14 th International Conference on Data Engineering, Feb. 23-27, 1998, Orlando, Florida, USA
	C06	Boncz <i>et al.</i> , "Monet and Its Geographic Extensions: a Novel Approach to High Performance GIS Processing," as appears on www.cwi.nl/~monet/papers.html as of Feb. 5, 1999
	C07	Boncz <i>et al.</i> , "Monet An Impressionist Sketch of an Advanced Database System," www.cwi.nl/~monet/papers.html , appears in Basque International Workshop on Information Technology, Data Management Systems, San Sebastian, Spain, July 19-21, 1995
	C08	van den Berg <i>et al.</i> , "Monet Meets O07," Nov. 3, 1995, as appears on www.cwi.nl/~monet/papers.html as of Feb. 5, 1999
	C09	Kersten <i>et al.</i> , "A Data Cube Algebra Engine for Data Mining," as appears on www.cwi.nl/~monet/papers.html as of Feb. 5, 1999
	C10	van den Berg, "Dynamic Query Processing in a Parallel Object-Oriented Database System," Ph.D. Thesis, published at CWI, 1994, as appears on www.cwi.nl/~monet/papers.html as of Feb. 5, 1999
	C11	van den Berg <i>et al.</i> , "Analysis of a Dynamic Query Optimization Technique for Multi-Join Queries," as appears on www.cwi.nl/~monet/papers.html as of Feb. 5, 1999
	C12	Angara website, www.angara.com , copyright 1998, Angara Database Systems, Inc.
	C13	Cache website, www.intersys.com , copyright 1996, 1997, 1998, InterSystems Corporation
	C14	"The Dali Main-Memory Storage Manager," Dali website, www.bell-labs.com/project/dali , copyright 1996, as appears on the website as of Feb. 5, 1999
	C15	Jagadish <i>et al.</i> , "Dali: A High Performance Main Memory Storage Manager," www.bell-labs.com/project/dali , appears in Proceedings of the 20 th VLDB Conference Santiago, Chile, 1994
	C16	Bohannon <i>et al.</i> , "Recoverable User-Level Mutual Exclusion," as appears on www.bell-labs.com/project/dali as of Feb. 5, 1999
	C17	Bohannon <i>et al.</i> , "Logical and Physical Versioning in Main Memory Databases," www.bell-labs.com/project/dali , appears in Proceedings of the Conference on Very Large Database, 1997
	C18	"Times Ten Performance Software," Times Ten website, www.timesten.com , copyright 1997, 1998
	C19	"Titanium Database Engine Technical Synopsis" copyright 1998, Micro Data Base Systems, Inc.
	C20	Herrin <i>et al.</i> , "Schema and Tuple Trees: An Intuitive Structure for Representing Relational Data," www.hsdi.com/qddb/article2 , appears in Computing Systems, vol. 9, no. 2, copyright 1996 by the USENIX Association
	C21	Herrin <i>et al.</i> , "An ASCII Database for Fast Queries of Relatively Stable Data," www.hsdi.com/qddb/article2 , appears in Computing Systems, vol. 4, no. 2, copyright 1991 by the Regents of the University of California
	C22	Date, C. J., "An Introduction to Database Systems," 3 rd Ed., pp.33-61, Addison-Wesley Publishing Company
	C23	Date, C.J., August, 1995, "An Introduction to Database Systems," 6 th Ed., pp. 1-51, 710-760, Addison-Wesley Publishing Company
	C24	Batory, D.S., "On Searching Transposed Files," ACM TRANSACTIONS ON DATABASE SYSTEMS, vol. 4, no. 4, December 1979, pp. 531-544
	C25	Batory <i>et al.</i> , "A Unifying Model of Physical Databases," ACM TRANSACTIONS ON DATABASE SYSTEMS, vol. 7, no. 4, December 1982, pp. 509-539
	C26	Eggers <i>et al.</i> , "Efficient Access of Compressed Data," IEEE, 1980, pp. 205-211
	C27	Eggers <i>et al.</i> , "A Compression Technique for Large Statistical Databases," IEEE, 1981, pp. 424-434
	C28	Valduriez, P., "Join Indices," ACM TRANSACTIONS ON DATABASE SYSTEMS, vol. 12, no. 2, June 1987, pp. 218-246
SA	C29	Olken <i>et al.</i> , "Rearranging Data to Maximize the Efficiency of Compression," ACM, 1986, pp. 78-90

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